

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A Web page creation apparatus comprising:

a Web page creation unit configured to create ~~creating~~ a Web page having operation items, ~~the Web page creation unit creating the Web page based on operation-item display information [[,]] which is defined for a~~ based on a device that displays the Web page where the Web page is displayed or a user of the device to indicate whether the displaying of each operation item is needed, so that some of the operation items the displaying of which is needed are displayed.

Claim 2 (Currently Amended): The Web page creation apparatus according to claim 1 wherein the Web page creation unit comprises:

an operation-item style information creation unit ~~creating~~ configured to create first style information for each of the operation items the displaying of which is needed, based on the operation-item display information; and

an operation-item creation unit ~~creating~~ configured to create the operation items in the Web page according to the first style information created by the operation-item style information creation unit.

Claim 3 (Original): The Web page creation apparatus according to claim 2 wherein the operation-item style information creation unit is provided to create the first style information by making reference to the operation-item display information.

Claim 4 (Original): The Web page creation apparatus according to claim 2 wherein the first style information is a data of XSL format.

Claim 5 (Currently Amended): The Web page creation apparatus according to claim 2 further comprising:

a second style information management unit ~~managing~~ configured to manage second style information for all the operation items that can be displayed in the Web page, wherein the operation-item style information creation unit is provided to create the first style information by extracting style information corresponding to each of the operation items indicated for display ~~the displaying of which is needed~~ by the operation-item display information, from the second style information managed by the second style information management unit.

Claim 6 (Original): The Web page creation apparatus according to claim 5 wherein the second style information is a data of XSL format.

Claim 7 (Currently Amended): The Web page creation apparatus according to claim 5 wherein the operation-item style information creation unit comprises a third style information creation unit ~~creating~~ configured to create third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from the second style information, and the operation-item style information creation unit is provided to create the first style information by applying the third style information, created by the third style information creation unit, to the second style information.

Claim 8 (Original): The Web page creation apparatus according to claim 7 wherein the third style information is a data of XSL format.

Claim 9 (Currently Amended): The Web page creation apparatus according to claim 2 further comprising:

a processing identification data management unit managing processing identification information for identifying processing to be performed when one of the operation items is chosen, wherein the operation-item creation unit is provided to create each of the operation items by applying the first style information to the processing identification information managed by the processing identification data management unit, so that the processing identified by the processing identification information corresponding to the chosen operation item is performed.

Claim 10 (Currently Amended): The Web page creation apparatus according to claim 1 further comprising:

a request receiving unit ~~receiving~~ configured to receive a request of acquisition of the Web page from the device and ~~causing~~ configured to cause the Web page creation unit to create the Web page based on the request of acquisition of the Web page; and

a Web page transmitting unit ~~transmitting~~ configured to transmit the Web page, created by the Web page creation unit, to the device.

Claim 11 (Currently Amended): A Web page creation apparatus comprising:

a Web page creation unit ~~creating~~ configured to create a Web page having operation items corresponding to functions of an external device; and

an inquiry unit ~~transmitting~~ configured to transmit an inquiry about usable functions of the external device to the external device,

wherein the Web page creation unit ~~creates~~ is configured to create the Web page based on both operation-item display information, which indicates the operation items to be

~~displayed and~~ which is defined ~~for~~ based on a device ~~where~~ that displays the Web page is ~~displayed or on~~ a user of the device ~~to indicate whether displaying of each operation item is needed,~~ and usable function identification information, which is received from the external device in response to the inquiry of the inquiry unit and indicates the usable functions of the external device, so that only the operation items corresponding to the usable functions of the external device are displayed.

Claim 12 (Currently Amended): The Web page creation apparatus according to claim 11 wherein the Web page creation unit is provided to create the Web page so that the operation items corresponding to the usable functions of the external device indicated by the usable function identification information, among the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, are displayed.

Claim 13 (Currently Amended): The Web page creation apparatus according to claim 11 wherein the Web page creation unit comprises:

an operation-item style information creation unit ~~creating~~ configured to create first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

an operation-item creation unit ~~creating~~ configured to create the operation items in the Web page by applying the first style information created by the operation-item style information creation unit, to the usable function identification information.

Claim 14 (Original): The Web page creation apparatus according to claim 13 wherein the operation-item style information creation unit is provided to create the first style information by making reference to the operation-item display information.

Claim 15 (Original): The Web page creation apparatus according to claim 13 wherein the first style information is a data of XSL format.

Claim 16 (Currently Amended): The Web page creation apparatus according to claim 13 further comprising:

a second style information management unit ~~managing~~ configured to manage second style information for all the operation items that can be displayed in the Web page, wherein the operation-item style information creation unit is provided to create the first style information by extracting style information corresponding to each of the operation items the displaying of which is needed by the operation-item display information, from the second style information managed by the second style information management unit.

Claim 17 (Original): The Web page creation apparatus according to claim 16 wherein the second style information is a data of XSL format.

Claim 18 (Currently Amended): The Web page creation apparatus according to claim 16 wherein the operation-item style information creation unit comprises a third style information creation unit creating third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from the second style information, and the operation-item style information creation unit is provided to create the first style information by applying the third style information, created by the third style information creation unit, to the second style information.

Claim 19 (Original): The Web page creation apparatus according to claim 18 wherein the third style information is a data of XSL format.

Claim 20 (Currently Amended): The Web page creation apparatus according to claim 13 wherein the operation-item creation unit is provided to create each of the operation items by applying the first style information to the usable function identification information, so that processing, ~~concerning~~ related to the function identified by the usable function identification information as corresponding to the operation item ~~concerned~~, is performed when one of the operation items is chosen.

Claim 21 (Currently Amended): The Web page creation apparatus according to claim 11 further comprising:

a request receiving unit ~~receiving~~ configured to receive a request of acquisition of the Web page from the device and ~~causing~~ configured to cause the Web page creation unit to create the Web page based on the request of acquisition of the Web page; and

a Web page transmitting unit ~~transmitting~~ configured to transmit the Web page, created by the Web page creation unit, to the device.

Claim 22 (Currently Amended): The Web page creation apparatus according to claim 11 wherein the inquiry unit is provided to transmit the inquiry about the usable functions to the external device in accordance with ~~SOAP~~ simple object access protocol.

Claim 23 (Currently Amended): A Web page creation apparatus comprising:
a Web page creation unit ~~creating~~ configured to create a Web page having operation items corresponding to functions of different external devices respectively; and

a permitted-function inquiry unit ~~transmitting~~ configured to transmit an inquiry about allowability of execution of a corresponding one of the functions for one of the operation items, to each of the external devices,

wherein the Web page creation unit ~~creates~~ is configured to create the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined ~~for~~ based on a device ~~where~~ that displays the Web page is displayed or on a user of the device ~~to indicate whether displaying of each operation item is needed~~, and permitted-function identification information, which is received from the external devices in response to the inquiry of the permitted-function inquiry unit and indicates the allowability of execution of each of the functions, so that only the operation items corresponding to the permitted functions of the external devices are displayed.

Claim 24 (Currently Amended): The Web page creation apparatus according to claim 23 wherein the Web page creation unit is provided to create the Web page so that the operation items corresponding to the permitted functions of the external devices indicated by the permitted-function identification information, among the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, are displayed.

Claim 25 (Currently Amended): The Web page creation apparatus according to claim 23 wherein the Web page creation unit comprises:

an operation-item style information creation unit ~~creating~~ configured to create first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

an operation-item creation unit ~~creating~~ configured to create the operation items in the Web page by applying the first style information created by the operation-item style information creation unit, to the permitted-function identification information.

Claim 26 (Original): The Web page creation apparatus according to claim 25 wherein the operation-item style information creation unit is provided to create the first style information by making reference to the operation-item display information.

Claim 27 (Original): The Web page creation apparatus according to claim 25 wherein the first style information is a data of XSL format.

Claim 28 (Currently Amended): The Web page creation apparatus according to claim 25 further comprising:

a second style information management unit ~~managing~~ configured to manage second style information for all the operation items that can be displayed in the Web page, wherein the operation-item style information creation unit is provided to create the first style information by extracting style information corresponding to each of the operation items the displaying of which is needed by the operation-item display information, from the second style information managed by the second style information management unit.

Claim 29 (Original): The Web page creation apparatus according to claim 28 wherein the second style information is a data of XSL format.

Claim 30 (Currently Amended): The Web page creation apparatus according to claim 28 wherein the operation-item style information creation unit comprises a third style

information creation unit creating third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from the second style information, and the operation-item style information creation unit is provided to create the first style information by applying the third style information, created by the third style information creation unit, to the second style information.

Claim 31 (Original): The Web page creation apparatus according to claim 30 wherein the third style information is a data of XSL format.

Claim 32 (Currently Amended): The Web page creation apparatus according to claim 25 further comprising:

a function identification data management unit ~~managing~~ configured to manage function identification information for identifying a corresponding one of the functions for one of the operation items wherein the operation-item creation unit is provided to create each of the operation items by applying the first style information to the function identification information, so that, when one of the operation items is chosen, processing ~~concerning~~ related to the function identified by the function identification information corresponding to the chosen operation item is performed.

Claim 33 (Currently Amended): The Web page creation apparatus according to claim 32 wherein

the Web page creation unit is provided to create extraction function identification information by extracting the function identification information, corresponding to the functions ~~the allowability of execution of which is indicated~~ whose allowability is indicated

by the permitted-function identification information, from the function identification data management unit, and

the operation-item creation unit ~~creates~~ is configured to create the operation items by applying the first style information to the extraction function identification information.

Claim 34 (Currently Amended): The Web page creation apparatus according to claim 32 wherein

the function identification data management unit ~~further manages~~ is further configured to manage external-device identification information which identifies one of the external devices used as a location to which the inquiry about the allowability of execution of the corresponding function for one of the operation items is transmitted, and

the permitted-function inquiry unit ~~determines~~ is configured to determine said one of the external devices based on the external-device identification information.

Claim 35 (Currently Amended): The Web page creation apparatus according to claim 23 further comprising:

a request receiving unit ~~receiving~~ configured to receive a request of acquisition of the Web page from a device and ~~causing~~ configured to cause the Web page creation unit to create the Web page based on the request of acquisition of the Web page; and

a Web page transmitting unit ~~transmitting~~ configured to transmit the Web page, created by the Web page creation unit, to the device.

Claim 36 (Currently Amended): The Web page creation apparatus according to claim 23 wherein the permitted-function inquiry unit is provided to transmit the inquiry about the

allowability of execution of the corresponding function for one of the operation items to each external device in accordance with SOAP simple object access protocol.

Claim 37 (Currently Amended): A method of controlling Web page creation in a Web page creation apparatus which creates a Web page having operation items, comprising ~~steps of:~~

creating first style information for each of the operation items ~~displaying of which is needed~~ indicated for display, based on operation-item display information, which indicates the operation items to be displayed and which is defined ~~for~~ based on a device on which the Web page is displayed or a user of the device ~~to indicate whether the displaying of each operation item is needed~~; and

creating the operation items in the Web page according to the first style information ~~created in the first creating step~~, so that some of the operation items ~~the displaying of which is needed~~ indicated for display are displayed.

Claim 38 (Currently Amended): The method according to claim 37 wherein ~~the first creating step is provided to create~~ creating the first style information is by extracting style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from second style information for all the operation items that can be displayed in the Web page.

Claim 39 (Currently Amended): The method according to claim 38 wherein ~~the first creating step~~ creating the first style information includes ~~a step of~~ creating third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item

display information, from the second style information, and ~~the first creating step is provided to create the first style information by~~ creating the first style information includes applying the third style information ~~created in the third creating step,~~ to the second style information.

Claim 40 (Currently Amended): The method according to claim 37 wherein ~~the second creating step is provided to create each of~~ creating the operation items by includes applying the first style information to processing identification information for identifying processing to be performed when one of the operation items is chosen, so that the processing identified by the processing identification information corresponding to the chosen operation item is performed.

Claim 41 (Currently Amended): A method of controlling Web page creation in a Web page creation apparatus which creates a Web page having operation items corresponding to functions of an external device, ~~comprising steps of:~~

transmitting an inquiry about usable functions of the external device to the external device,

creating the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined ~~for~~ based on a device ~~where that displays the Web page is displayed or on~~ a user of the device ~~to indicate whether displaying of each operation item is needed,~~ and usable function identification information, which is received from the external device in response to the inquiry and indicates the usable functions of the external device, so that the operation items corresponding to the usable functions of the external device are displayed.

Claim 42 (Currently Amended): The method according to claim 41 wherein creating the Web page ~~the creating step~~ includes:

creating first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

creating the operation items in the Web page by applying the first style information ~~created in the first style information creating step~~, to the usable function identification information.

Claim 43 (Currently Amended): The method according to claim 42 wherein creating the first style information ~~creating step is provided to create the first style information by~~ includes extracting style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from second style information for all the operation items that can be displayed in the Web page.

Claim 44 (Currently Amended): The method according to claim 43 wherein creating the first style information ~~creating step is provided to create the first style information by~~ includes applying third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from the second style information, to the second style information.

Claim 45 (Currently Amended): A method of controlling Web page creation in a Web page creation apparatus which creates a Web page having operation items corresponding to functions of different external devices respectively, ~~comprising steps of:~~

transmitting an inquiry about allowability of execution of ~~a corresponding~~ one of the functions corresponding with ~~for~~ one of the operation items, to each of the external devices; and

creating the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined ~~for~~ based on a device ~~where that displays~~ the Web page ~~is displayed or on~~ a user of the device ~~to indicate whether displaying of each operation item is needed~~, and permitted-function identification information, which is received from the external devices in response to the inquiry and indicates the allowability of execution of each of the functions, so that the operation items corresponding to the permitted functions of the external devices are displayed.

Claim 46 (Currently Amended): The method according to claim 45 wherein creating the Web page ~~creating step~~ includes:

creating first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

creating the operation items in the Web page by applying the created first style information to the permitted-function identification information.

Claim 47 (Currently Amended): The method according to claim 46 wherein the first style information is created by extracting style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from second style information for all the operation items that can be displayed in the Web page.

Claim 48 (Currently Amended): The method according to claim 47 wherein creating the operation-item ~~creating-step~~ includes creating third style information, which is used to extract the style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information, from the second style information, and the operation-item creating step is provided to create the first style information by applying the created third style information to the second style information.

Claim 49 (Original): The method according to claim 46 wherein each of the operation items is created by applying the first style information to function identification information for identifying a corresponding one of the functions for one of the operation items, so that, when one of the operation items is chosen, processing concerning the function identified by the function identification information corresponding to the chosen operation item is performed.

Claim 50 (Currently Amended): The method according to claim 49 wherein extraction function identification information is created by extracting the function identification information, corresponding to the functions ~~the allowability of execution of which is indicated~~ indicated as allowable by the permitted-function identification information, from the function identification information, and the operation items are created by applying the first style information to the extraction function identification information.

Claim 51 (Currently Amended): A computer-readable medium including computer-executable instructions wherein the instructions, when executed, by a processor, cause the processor to perform ~~program product embodied therein to cause a computer to execute a~~

Web page creation method which creates a Web page having operation items, the method comprising ~~steps of~~:

creating first style information for each of the operation items indicated for display ~~displaying of which is needed~~, based on operation-item display information which is defined ~~for based on~~ a device ~~on which that displays~~ the Web page is displayed or on a user of the device ~~to indicate whether the displaying of each operation item is needed~~; and

creating the operation items in the Web page according to the first style information ~~created in the first creating step~~, so that some of the operation items indicated for display ~~the displaying of which is needed~~ are displayed.

Claim 52 (Currently Amended): The ~~computer program product~~ computer-readable instructions according to claim 51 wherein ~~the first creating step is provided to create~~ the first style information is created by extracting style information corresponding to each of the operation items ~~the displaying of which is needed~~ indicated for display by the operation-item display information[[,]] from second style information for all the operation items that can be displayed in the Web page.

Claim 53 (Currently Amended): A computer-readable medium including computer-executable instructions wherein the instructions, when executed, by a processor, cause the processor to perform ~~program product embodied therein to cause a computer to execute~~ a Web page creation method which creates a Web page having operation items corresponding to functions of an external device, the method comprising ~~steps of~~:

transmitting an inquiry about usable functions of the external device to the external device; and

creating the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined for based on a device where that displays the Web page is displayed or on a user of the device to indicate whether displaying of each operation item is needed, and usable function identification information, which is received from the external device in response to the inquiry and indicates the usable functions of the external device, so that the operation items corresponding to the usable functions of the external device are displayed.

Claim 54 (Currently Amended): The ~~computer program product~~ computer-readable instructions according to claim 53 wherein creating the Web page ~~the creating step~~ includes:

creating first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

creating the operation items in the Web page by applying the first style information ~~created in the first style information creating step~~, to the usable function identification information.

Claim 55 (Currently Amended): A computer-readable medium including computer-executable instructions wherein the instructions, when executed, by a processor, cause the processor to perform ~~program product embodied therein to cause a computer to execute a~~ Web page creation method apparatus which creates a Web page having operation items corresponding to functions of different external devices respectively, the method comprising ~~steps of:~~

transmitting an inquiry about allowability of execution of ~~a corresponding~~ one of the functions ~~for~~ corresponding to one of the operation items, to each of the external devices; and

creating the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined for based on a device where that displays the Web page is displayed or on a user of the device to indicate whether displaying of each operation item is needed, and permitted-function identification information, which is received from the external devices in response to the inquiry and indicates the allowability of execution of each of the functions, so that the operation items corresponding to the permitted functions of the external devices are displayed.

Claim 56 (Currently Amended): The ~~computer program product~~ computer-readable instructions according to claim 55 wherein creating the Web page ~~creating step~~ includes:

creating first style information for each of the operation items ~~the displaying of which is needed~~ indicated for display, based on the operation-item display information; and

creating the operation items in the Web page by applying the created first style information to the permitted-function identification information.

Claim 57 (Currently Amended): An information processing device including a built-in communication device which communicates with an external device connected via a network, comprising:

a Web page creation unit ~~creating~~ configured to create a Web page having operation items corresponding to functions of the external device; and

a display unit ~~displaying~~ configured to display the Web page created by the Web page creation unit,

wherein the Web page creation unit ~~creates~~ is configured to create the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined for based on a device where that displays the Web page is

~~displayed or on~~ a user of the device ~~to indicate whether displaying of each operation item is needed~~, and usable function identification information, which is received from the external device in response to an inquiry from the communication device and indicates the usable functions of the external device, so that the operation items corresponding to the usable functions of the external device are displayed.

Claim 58 (Currently Amended): An information processing device including a built-in communication device which communicates with a plurality of external devices connected via a network, comprising:

a Web page creation unit ~~creating~~ configured to create a Web page having operation items corresponding to functions of the external devices respectively; and

a display unit ~~displaying~~ configured to display the Web page created by the Web page creation unit,

wherein the Web page creation unit creates the Web page based on both operation-item display information, which indicates the operation items to be displayed and which is defined ~~for~~ based on a device ~~where~~ that displays the Web page ~~is displayed or on~~ a user of the device ~~to indicate whether displaying of each operation item is needed~~, and permitted-function identification information, which is received from the external devices in response to an inquiry from the communication device and indicates the allowability of execution of each of the functions, so that the operation items corresponding to the permitted functions of the external devices are displayed.

Claim 59 (Currently Amended): A Web page creation apparatus comprising:

a Web page creation unit ~~creating~~ configured to create a Web page;

a first storage unit ~~managing~~ configured to manage common information which is defined in common for two or more users to indicate operation items ~~being~~ to be displayed in the Web page;

a second storage unit ~~managing~~ configured to manage individual information which is defined for each user to indicate operation items not to be displayed ~~the displaying of which is unneeded~~, among all the operation items defined in the common information,

wherein the Web page creation unit is provided to create the Web page so that the operation items[[,]] extracted from all the operation items of the common information based on the individual information are displayed.

Claim 60 (New): The Web page creation apparatus according to claim 1 wherein the operation-item display information is also based on a user of the device.